

Vishnu Neduncheliyan

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EDUCATION

George Mason University | Fairfax, USA

August 2022 - May 2024

Master of Science in Computer Science

Relevant Courses: Algorithms, Advanced Software Testing, Decision-Guidance Systems

GPA: 3.7/4

Vellore Institute of Technology | Vellore, India

July 2018 – July 2022

Bachelor of Technology in Computer Science and Engineering with Spl. in Information Security

Relevant Courses: Data Structures and Algorithms, Internet and Web Programming, Database Management Systems, Vulnerability Analysis - Pen Testing, Artificial Intelligence, Blockchain

Technologies, Cryptography, Web Security

GPA: 8.13 / 10.0 (3.4/4)

SKILLS

Languages/Frameworks/Technologies: Python, Java, C++, HTML, SQL, Angular, Laravel, NodeJS, ReactJS, MongoDB, AWS

Tools: Word, Excel, PowerPoint, WAMP server, MySQL, MongoDB, Jupyter, Git, Adobe Ps, phpMyAdmin

Knowledge Areas and Skills: Problem-solving ability, Analytical and Quantitative skills, Strong communication skills, Visualization, Web application deployment, Image Processing, Blockchain, Pentesting, Web Security, Computer Hardware, Software Report Preparation, Software Testing

PROFESSIONAL EXPERIENCE

Gustovalley Technovations LLP | Hosur, India

November 2020 – January 2021

- Created a front-end and back-end for Web Application using Angular and Laravel frameworks as assigned
- Integrated a JSON Web Token based Login Authentication system for the developed Web Application to deploy securely
- Used Technologies/Languages – Git, Slack, Mailtrap, CoreFTP, VS Code, Blade, TypeScript, HTML, PHP, phpMyAdmin, MySQL

ACADEMIC PROJECTS

Encrypted Path to Encrypted Text

April 2019

- Encrypted data with two level encryptions for high level of confidentiality, by using the concept of cryptographic encryption in the scope of linked lists to preserve original data

Cryptic Hub - Security Based Services Website

October 2020

- Administer a website that offers security related products and services
- Establishing a start-up that provides services like Pentesting, Network Administration and suggests Security policies, and Open-source services like Online Malware detection for web apps and a Fuzzer
- Used Technologies: JavaScript, NodeJS, VirusTotal API, MongoDB, AWS

Preventing Web Application Vulnerabilities by Building a RASP

November 2020

- Create a RASP for Web Application written in Node –JS which protects web apps from certain web vulnerabilities
- Used Technologies: RASP (Runtime Application Self-Protection), Web Application Firewall, Server-Side Request Forgery, XSS

CERTIFICATIONS

- AWS Certified Cloud Practitioner CLF-C02 (2024)
- Botball and Robotics Event Participation (2015-2017)
- Certificate of Recognition from School (2018)
- Duke of Edinburgh's Award Bronze (2015)

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

George Mason University

- Worked on Unmanned Aerial Systems Prototyping – 4-month workshop on building a drone and prototyping it for a real world problem

Vellore Institute of Technology

- Took part in Under the Hood Event - Full on Computer hardware workshop
- Contributed to the Technology and Gaming Club - Game development workshops
- Lead in the Board Gamers Club – Part of Operations team - host recreational events

Dukhan English School

- Attended Botball Workshops in CMU, Qatar -Hands on design and programming of robots
- Lead the School Technical team for the Botball event hosted by CMU, Qatar (2015-2017)
- Participated in Qatar National Robotics Olympiad (2017)
- Won Qatar's Inter-school Rugby Tournament (2016)
- Delegated as Senior Prefect in School | Volunteered for librarian duties